

United States  
Department of  
Agriculture

Forest  
Service

Arizona Zone  
Entomology &  
Pathology

2500 S. Pineknoll Dr.  
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File Code: 3410  
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Date: October 3, 1997

Subject: 1997 Insect and Disease Aerial Detection Survey

To: Area Director  
Bureau of Indian Affairs  
Phoenix Area Office  
P. O. Box 10  
Phoenix, AZ 85001

The annual insect and disease aerial detection survey was conducted over the San Carlos Indian Reservation September 23, 1997. Enclosed you will find a copy of the map depicting the insect conditions on the Reservation.

A decrease in bark beetle activity was mapped in 1997. A total of 3,528 acres of bark beetle mortality was mapped in 1997 as compared to 4,705 acres in 1996. Most of this activity was attributed to Ips spp. However, Jill Wilson of this office identified western pine beetle, roundheaded pine beetle and Ips engraver beetles in ponderosa pine mortality areas on the Ft. Apache Indian Reservation. These pockets of mortality are just to the north of the mortality in the Malay Gap area. So it is likely that the mortality observed throughout Malay Gap and Nantac Rim areas is a combination of these three bark beetles (Ips engraver beetles, western pine beetle, and roundheaded pine beetle).

If you have any questions regarding this survey, please contact Steve Dudley or me at (520) 556-2072.

 acting for

Michelle S. Frank  
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